

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A method of coupling user equipment information specific to a multicast/broadcast service with a multicast/broadcast service context of a controlling device, wherein a multicast/broadcast service is provided within a communication network comprising a core network and a radio access network, the core network comprising at least one serving device, and the radio access network comprising a plurality of user equipment, at least another serving device, and controlling devices, the controlling devices being different from the at least another serving device, the method comprising:

establishing a multicast/broadcast service context of a controlling device by a serving device of the core network;

establishing a user equipment specific multicast/broadcast service context by the serving device of the core network, wherein this establishing procedure is capable of being effected at a different time from the controlling device multicast/broadcast service context establishing procedure;

determining a respective location of user equipment which desire to join the broadcast service from a serving device of the radio access network by checking a respective list received from the serving device of the core network;

sending a user equipment active list by the serving device of the radio access network informing the controlling device about the number of joined user equipment and the multicast/broadcast service in question, wherein the active list includes, if applicable, also respectively joined user equipment within a cell controlled by another controlling device;

selecting a channel type by the controlling device for the connection of the multicast/broadcast service to the respectively joined user equipment;

informing the serving device of the radio access network about the selection;

activating the multicast/broadcast service context in the serving device of the radio access network as an accepted service for the user equipment after receipt of successful coupling information from the controlling device; and

informing the respectively joined user equipment by the serving device of the radio access network about the multicast/broadcast service.

2. (Previously Presented) The method according to claim 1, wherein when the multicast/broadcast service context is activated in the serving device of the radio access network, the activated multicast/broadcast service context is taken into account when radio resource controlling states for the user equipment are updated.

3. (Previously Presented) The method according to claim 1, wherein the multicast/broadcast service context of the controlling device is rejected, and if the selecting step and the selection informing step are not performed, the multicast/broadcast informing step includes an indication about the unsuccessful coupling of the respectively joined user equipment to the multicast/broadcast service.

4. (Previously Presented) The method according to claim 3, wherein rejection is informed to the serving device of the radio access network, so that the serving device of the radio access network is allowed to decide whether the multicast/broadcast service informed in the multicast/broadcast service context of the controlling device is served to the user equipment by using user equipment specific dedicated channels.

5. (Previously Presented) The method according to claim 4, wherein if the decision about using user equipment specific dedicated channels for multicast/broadcast service informed in the multicast/broadcast service context is rejected or the decision to use the user equipment specific dedicated channels is negative, the multicast/broadcast service context is not activated and the serving device of the radio access network does not take this activated multicast/broadcast service context into account when Radio Resource Controlling states for the user equipment are defined.

6. (Previously Presented) The method according to claim 5, wherein if the use of the user equipment specific dedicated channels for the multicast/broadcast service is rejected, a removal of the multicast/broadcast service context from the serving device of the radio access network is started by informing an unsuccessful context support to the serving device of the core network.

7. (Previously Presented) A serving device of a core network, comprising:
a first controller adapted to establish a multicast/broadcast service context of a controlling device of a radio access network, the controlling device of the radio access network being different from a serving device of the radio access network;
a second controller adapted to establish a user equipment specific multicast/broadcast service context at a different time from establishing of the multicast/broadcast service context of the controlling device;
wherein at least one of the first controller or the second controller is adapted to send a list of respective locations of user equipment which desire to join the multicast/broadcast service; and
wherein at least one of the first controller or the second controller is adapted to handle an unsuccessful context information from a serving device of the core network.

8. (Canceled).

9. (Canceled).

10. (Currently Amended) A system for coupling user equipment information specific to a multicast/broadcast service with a multicast/broadcast service context of a controlling device, the system providing a multicast/broadcast service and comprising a core network and a radio access network, the system comprising:

at least one serving device of the core network, the at least one service device further comprising a first controller adapted to establish a multicast/broadcast service context of a controlling device of a radio access network;

a second controller adapted to establish a user equipment specific multicast/broadcast service context at a different time;

~~a first sending controller~~ the at least one service device of the core network being adapted to send a list of respective locations of user equipment which desire to join the multicast/broadcast service; and

~~a handling controller~~ the at least one service device of the core network being adapted to handle an unsuccessful context information from the serving device;

at least one serving device of the radio access network, the at least one service device of the radio access network further comprising a determining controller adapted to determine a respective location of user equipment which desire to join a multicast/broadcast service by checking a respective list received from a serving device of a core network;

~~a second sending controller~~ **the at least one service device of the radio access network being** adapted to send a user equipment active list informing a controlling device of the radio access network about the respective number of user equipment which join respective multicast/broadcast services in question, wherein the active list includes, if applicable, also respectively joined user equipment within a cell controlled by another controlling device of the radio access network;

~~an activating controller~~ **the at least one service device of the radio access network being** adapted to activate the multicast/broadcast service in the serving device as an accepted service by the controlling device after receipt of information about the successful coupling;

~~a first informing controller~~ **the at least one service device of the radio access network being** adapted to inform the respectively joined user equipment about the multicast/broadcast service;

~~a deciding controller~~ **the at least one service device of the radio access network being** adapted to decide whether the multicast/broadcast service can be served to user equipment by using the user equipment dedicated specific channels after an unsuccessful coupling in the controlling device; and

~~a using controller~~ **the at least one service device of the radio access network being** adapted to use received information about successful coupling when the Radio Resource Controlling (RRC) state for the user device is updating;

controlling devices of the radio access network, the controlling devices of the radio access network being different from the ~~controlling~~ **serving** device of the radio access network and further comprising a receiving controller adapted to receive a user equipment active list informing the controlling device of the radio access network about the respective number of user equipment which join respective multicast/broadcast services, wherein the user equipment active list includes, if applicable, respectively joined user equipment within a cell controlled by another controlling device of the radio access network;

~~a selecting controller~~ **the controlling devices of the radio access network being** adapted to select a channel type for the connection of a multicast/broadcast service to respectively joined user equipment;

~~a second informing controller~~ **the controlling devices of the radio access network being** adapted to inform a serving device of the radio access network about the selection;

~~a third informing controller~~ **the controlling devices of the radio access network being** adapted to inform the serving device of the radio access network about an unsuccessful coupling of the respectively joined user equipment to the multicast/broadcast service; and a plurality of user equipment.

11. (Previously Presented) A system for coupling user equipment information specific to a multicast/broadcast service with a multicast/broadcast service context of a controlling device, comprising:

a controlling radio network controller adapted to establish a multicast/broadcast service context for a radio access network; and

a serving radio network controller being different from the controlling radio network controller and adapted to establish a user equipment specific multicast/broadcast service context at a different time from establishing of the multicast/broadcast service context by the controlling radio network controller;

wherein the serving radio network controller is further adapted to send a list of respective locations of user equipment which desire to join the multicast/broadcast service; and

wherein the controlling radio network controller is further adapted to handle an unsuccessful context information from the serving radio network controller.

12. (Previously Presented) A system for coupling user equipment information specific to a multicast/broadcast service with a multicast/broadcast service context of a controlling device, the system providing a multicast/broadcast service and comprising a core network and a radio access network, the system comprising:

at least one serving device of the core network, the at least one serving device of the core network being adapted to establish a multicast/broadcast service context for a controlling device of the radio access network;

a serving device of the radio access network adapted to establish a user equipment specific multicast/broadcast service context at a different time from the establishing of the multicast/broadcast service context for a controlling device of the radio access network;

the serving device of the radio access network being adapted to send a list of respective locations of user equipment which desire to join the multicast/broadcast service; and

a controlling device of the radio access network being different from the serving device of the radio access network and adapted to handle an unsuccessful context information from the serving device of the radio access network;

the serving device of the radio access network being further adapted to:

- a) determine a respective location of user equipment which desire to join a multicast/broadcast service by checking a respective list received from the serving device of a core network;
- b) send a user equipment active list informing the controlling device of the radio access network about the respective number of user equipment which join respective multicast/broadcast services in question, wherein the active list includes, if applicable, also respectively joined user equipment within a cell controlled by another controlling device of the radio access network;
- c) activate the multicast/broadcast service as an accepted service by the controlling device after receipt of information about the successful coupling; and
- d) inform the respectively joined user equipment about the multicast/broadcast service;

the controlling device of the radio access network being further adapted to:

- a) decide whether the multicast/broadcast service can be served to user equipment by using the user equipment dedicated specific channels after an unsuccessful coupling;
- b) use received information about successful coupling when the Radio Resource Controlling (RRC) state for the user device is updating;

- c) receive a user equipment active list informing the controlling device of the radio access network about the respective number of user equipment which join respective multicast/broadcast services, wherein the user equipment active list includes, if applicable, respectively joined user equipment within a cell controlled by another controlling device of the radio access network;
 - d) select a channel type for the connection of a multicast/broadcast service to respectively joined user equipment;
 - e) inform a serving device of the radio access network about the selection; and
 - f) inform the serving device of the radio access network about an unsuccessful coupling of the respectively joined user equipment to the multicast/broadcast service; and
- a plurality of user equipment.

13. (Previously Presented) A computer program product, embodied on a computer-readable medium, for coupling user equipment information specific to a multicast/broadcast service with a multicast/broadcast service context of a controlling device, wherein a multicast/broadcast service is provided within a communication network comprising a core network and a radio access network, the core network comprising at least one serving device, and the radio access network comprising a plurality of user equipment, at least another serving device, and controlling devices, the controlling devices being different from the at least another serving device, the method comprising:

computer code for establishing a multicast/broadcast service context of a controlling device by a serving device of the core network;

computer code for establishing a user equipment specific multicast/broadcast service context by the serving device of the core network, wherein this establishing procedure is capable of being effected at a different time from the controlling device multicast/broadcast service context establishing procedure;

computer code for determining a respective location of user equipment which desire to join the broadcast service from a serving device of the radio access network by checking a respective list received from the serving device of the core network;

computer code for sending a user equipment active list by the serving device of the radio access network informing the controlling device about the number of joined user equipment and the multicast/broadcast service in question, wherein the active list includes, if applicable, also respectively joined user equipment within a cell controlled by another controlling device;

computer code for selecting a channel type by the controlling device for the connection of the multicast/broadcast service to the respectively joined user equipment;

computer code for informing the serving device of the radio access network about the selection;

computer code for activating the multicast/broadcast service context in the serving device of the radio access network as an accepted service for the user equipment after receipt of successful coupling information from the controlling device; and

computer code for informing the respectively joined user equipment by the serving device of the radio access network about the multicast/broadcast service.